State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

William J. Sinclair
Acting Executive Director

DIVISION OF AIR QUALITY
Cheryl Heying
Director

DAQE-IN0110520001-09

March 19, 2009

James L. Davis
Nielson Construction Company
P.O. Box 620
825 North Loop Road
Huntington, UT 84528

Dear Mr. Davis:

Re: Intent to Approve: Modifications to Approval Order DAQE-AN10520008-03 to Add Equipment, Various Counties in UTah; CDS B; SM; HAPs; NSPS; Title V
Project Number: N011052-0001

The attached document is the Intent to Approve for the above-referenced project. The Intent to Approve is subject to public review. Any comments received shall be considered before an Approval Order is issued. The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an Approval Order. An invoice will follow upon issuance of the final Approval Order.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. The project engineer for this action is Enqiang He, who may be reached at (801) 536-4010.

Sincerely,

Ty L. Howard, Manager
New Source Review Section

TLH:EH:kw

cc: Salt Lake Valley Health Department

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

INTENT TO APPROVE: Modifications to Approval Order DAQE-AN01052008-03 to Add Equipment

Prepared By: Enqiang He, Engineer
Phone: (801) 536-4010
Email: ehe@utah.gov

INTENT TO APPROVE NUMBER

DAQE-IN0110520001-09

Date: March 19, 2009

Nielson Construction Company

Source Contact:
Mr. James L. Davis
Phone: (435) 749-9036

Ty L. Howard, Manager
New Source Review Section
Utah Division of Air Quality

Summary of Air Quality Approval Order Process for Portable Sources
Non-metallic Mineral Processing Industry

This AO is issued to Nielson Construction Company for the purpose of operating portable equipment that belongs to the non-metallic mineral processing industry, including aggregate processing, asphalt and concrete plants. Sets of equipment chosen from the equipment approved in the tables at the end of this AO shall be temporarily operated for a period of not more than 180 operating days in any calendar year at any site. A relocation shall not exceed 365 consecutive days at any location in the State of Utah. Prior to commencement of operation at a site, the source shall submit a Notice of Temporary Relocation to the Executive Secretary. If the plant operates at a site in compliance with the AO, the Notice of Temporary Relocation, and the Temporary Relocation Approval Letter, dispersion modeling results have determined that there will be no adverse impacts on air quality at the nearest residence or commercial establishment. Compliance with the opacity limits and various operating practices listed in the conditions of the AO shall be considered as application of BACT. The emission control measures listed in the conditions of this AO shall apply to all of the sites at which the equipment approved by this AO operates. The source may be required to adopt additional measures for controlling emissions to address site-specific concerns. The tables at the end of this AO shall indicate whether the equipment is subject to the NSPS, (NSPS, 40 CFR Part 60, Subpart I, IIII and OOO). The Temporary Relocation Approval Letter, which the source is required to possess prior to operation, shall list the allowable emissions and/or production limits for the relocation. This AO limits the source to emissions, which are below the major source threshold, making it a "Synthetic Minor" source. Other applicability factors may still apply. The terms and conditions of this AO are enforceable by both the State of Utah and the Federal Government.

The NOI for the above-referenced project has been evaluated and has been found to be consistent with the requirements of UAC R307. Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an AO by the Executive Secretary of the Utah Air Quality Board.

A 30-day public comment period will be held in accordance with UAC R307-401-7. A notification of the intent to approve will be published in the Salt Lake Tribune and Deseret News on March 23, 2009. During the public comment period the proposal and the evaluation of its impact on air quality will be available for the public to review and provide comment. If anyone so requests a public hearing, it will be held in accordance with UAC R307-401-7. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated. The proposed conditions of the AO may be changed as a result of the comments received.

General Conditions:

1. This AO applies to the following company:

   Corporate Office Location

   Nielson Construction Company
   825 North Loop Road
   P.O. Box 620
   Huntington, UT 84528

Telephone Number: (435) 687-2494
Fax Number: (435) 687-9721

The equipment listed in this AO shall be operated at various locations throughout the State of Utah.

2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules.

3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.

4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401-1.

5. All records referenced in this AO or in applicable NSPS standards, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Records shall be kept for the following minimum periods:

   A. Used oil consumption Three years

   B. Emission inventories Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.

   C. All other records Two years

6. Nielson Construction Company shall install the concrete batch plant, generators and additional aggregate processing equipment and shall conduct its operations of the aggregate, asphalt, and concrete plants in accordance with the terms and conditions of this AO, which was written pursuant to Nielson Construction Company's NOI submitted to the DAQ on March 3, 2009 and additional information submitted to the DAQ on March 5, 2009, and the terms and conditions of the Temporary Relocation Approval Letter issued by the Executive Secretary for each relocation. This Approval Letter will be based on the DAQ analysis of the information submitted to the Executive Secretary in the Notice of Temporary Relocation Form.

7. In the case of any discrepancy between the Conditions of the AO and the Temporary Relocation Approval Letter, the source shall be required to comply with the site-specific requirements in the Temporary Relocation Approval Letter.

8. The source shall be allowed to relocate any of the equipment listed in the Tables at the end of this AO, to any location approved by the Temporary Relocation Approval Letter.

9. Equipment listed in the Tables at the end of this AO can be replaced by other equipment of equal or lesser production capacity having the same function as the existing equipment with written notification to the Executive Secretary, and adherence to the following DAQ "Replacement in Kind" provision:

   A. Potential to emit of the replacement equipment is the same or lower;

   B. Horse power rating or rated capacity of replacement equipment remains the same or lower;

   C. Number of emission points or emitting units is the same or lower;

   D. No additional types of air contaminants are emitted as a result of the replacement;

   Additional information is required if replacement equipment is subject to an NSPS standard.

10. This AO shall replace the AO (DAQE-AN1052008-03) dated April 25, 2003.

Relocation

11. Prior to operating equipment at any site, the owner/operator shall obtain a Temporary Relocation Approval Letter in accordance with R307-401-7, UAC. Temporary relocations shall not exceed 180 operating days in any calendar year not to exceed 365 consecutive days, starting from the initial relocation date, at any site. The DAQ needs at least ten working days for processing and issuing a Temporary Relocation Approval Letter, however Notices of Temporary Relocation may be submitted as soon as the details on equipment to be used and when the equipment will be at each specific site are available. Notices of Temporary Relocation shall include the following information (Form 15a is available from the DAQ):

   A. The location of the proposed site (Please include directions on how to go to the site).

   B. The expected startup and completion dates for operating at the proposed site.

   C. A site diagram showing the general equipment location on site (to scale), and the distance to the nearest houses, barns or commercial operations (to scale if the plant boundary is located within one mile of these buildings).

   D. A list of the equipment to be operated at the proposed site.

   E. Additional emission control measures for various emission points that the source proposes to adopt at each site, which will require application of emission controls beyond the control measures required by this AO.

   F. Include a reference to this AO.

12. Before granting a Temporary Relocation Approval Letter, the proposed site will be evaluated by the Executive Secretary to verify that the plant will not cause a new violation of the NAAQS. This evaluation will be based on the computer dispersion modeling conducted by the DAQ and information that shall be submitted in the Notice of Temporary Relocation. The Notice of Temporary Relocation shall be submitted at least 10 working days prior to the source operation and shall contain a Fugitive Dust Control Plan (FDCP). If violations of the NAAQS are suspected at the proposed site, the owner/operator shall be required to:

    A. Apply air pollution controls at the proposed site which are more stringent than those outlined in the conditions of this AO and/or

    B. Perform continuous ambient monitoring for PM_{10} for at least the first 30 days of operation to demonstrate that the applicable NAAQS are not violated at the site under normal operating conditions. Monitoring shall be initiated only after consultation with DAQ and carried out in accordance with the Utah DAQ guidelines.

    Relocations expected to exceed 180 operating days shall be preceded with a NOI for a permanent source and a valid AO shall be obtained prior to the end of the 180 days.

13. Relocation to Sites Listed in the Utah PM_{10} State Implementation Plan: Temporary sources that plan to relocated to sites listed in the Utah PM_{10} State Implementation Plan (PM_{10} SIP) shall be required to meet standards and adopt control strategies listed in the PM_{10} SIP for the site, if the PM_{10} SIP requirements for the site are more stringent than the requirements specified in the conditions of this AO. For sources that submit a Notice of Temporary Relocation to relocate to a site that is listed in the PM_{10} SIP, the requirements under which the source would be required to operate shall be specified in the Temporary Relocation Approval Letter.

14. The Temporary Relocation Approval Letter, which the source is required to possess prior to operation at a site, shall list the allowable emissions for the relocation based on the aggregate production capacity, the projected hours of operation during the period of relocation, and the degree of enforceable emissions control that the source proposes to adopt during the period of relocation. The owner/operator shall maintain records of all equipment listed in the Tables at the end of the AO. The records shall contain actual hours of operation of the equipment at each site and the actual emissions that resulted from the operation at each site. These emissions shall be summarized for each piece of equipment at the completion of operation at each site, or every 6 months, whichever comes first (or as directed by the Executive Secretary) and made available to the Executive Secretary or the Executive Secretary's representative upon request.

Limitations

15. Visible emissions from the following emission points shall not exceed the following values:

    A. All crushers - 15% opacity
    B. All screens - 10% opacity

C. All conveyor transfer points - 10% opacity
D. All bin vents – 10% opacity
E. All baghouses – 10% opacity
F. All scrubbers – 15% opacity
G. All diesel engines - 20% opacity
H. Conveyor drop points - 20% opacity
I. All other points - 20% opacity

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

For sources that are subject to NSPS, opacity shall be determined by conducting observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

Initial visible emission observations shall consist of 30 observations of six minutes each in accordance with 40 CFR 60.11(b). Equipment subject to NSPS Subpart OOO shall comply with 40 CFR 60.675(3) or 40 CFR 60.675(4). All visible emission observations must be conducted in accordance with 40 CFR 60, Appendix A, Method 9. A certified observer must be used for these observations. Emission points which are subject to the initial observations are the new equipment in Table 2 at the end of this AO.

16. Hours of Operation

A. The actual hours of operation of the plant shall not exceed 16 hours during any 24-hour period (from mid-night to mid-night). The actual time of operation shall be between 6:00 AM and 10:00 PM. The hours of operation may be altered upon approval of the Executive Secretary. Any request for a change in these hours shall include modeling showing that all NAAQS are met.

B. The total hours of actual operation/production shall not exceed 2,880 hours during the entire period of relocation to any site.

C. Records of hours of operation shall be kept for all periods when the plant is in operation. Hours of operation shall be determined by a supervisor responsible for the monitoring and maintenance of an hours-of-operation log. An example of an hours-of-operation log is shown in the following Table:

DATE	START TIME	STOP TIME	# OF HOURS
3-1-95	7:10 AM	11:35 AM	4.5
3-1-95	12:30 PM	5:35 PM	5.0
3-1-95 Total			
3-2-95	7:30 AM	5:30 PM	10.0

More entries	in these	intervening rows	from March to August
8-30-95	6:15 AM	4:15 PM	10.0
Grand Total For Location			29.5

17. Haul Road Limitation

The speed of mobile equipment (trucks, front end loaders, etc.) shall not exceed 15 miles per hour. The haul road speed shall be posted, at a minimum, on site at the beginning of the haul road so that it is clearly visible from the haul road.

18. Open Area Limitations

A. The area occupied by the storage piles generated by this operation shall not exceed 1.5 acres.

B. The area disturbed by this operation, which has not been stabilized to prevent wind erosion, shall not exceed 5.0 acres.

C. Control of disturbed or stripped areas shall be required at all times for the duration of the project/operation per R307-205, UAC.

19. Silos for Asphalt and Concrete Plants: All displaced air from the silos shall pass through a fabric filter device before being vented to the atmosphere.

20. Emission Limitations for Asphalt Plants: All asphalt plants shall control particulate emissions using a control device such as a baghouse or a venturi scrubber. A manometer or magnehelic pressure gauge shall be installed to measure the differential pressure across the baghouse. Static pressure differential across the baghouse shall be between 2 to 6 inches of water column. The scrubber pressure drop shall be greater than 12 inches of water column. The pressure gauges shall be located such that an inspector/operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches water column for both baghouse and venturi scrubber. The instruments shall be calibrated according to the manufactures instructions at least once every 12 months. Continuous or intermittent recording of the reading is not required. Concentrations in the exhaust stream from the drum shall not exceed 0.024 grains/dscf for pit run material for PM_{10} (0.030 grains/dscf for TSP), and 0.028 grains/dscf for recycled pit run asphalt pavement mix for PM_{10} (0.035 grains/dscf for TSP). The pressure gauge shall be located such that an inspector /operator can safely read the indicator at any time.

21. The amount of recycle asphalt used in each plant shall not exceed 40% of the total product at any time. Compliance shall be determined by the actual hourly production of

the plant divided by the hourly amount of recycle product introduced to the plant. Daily records maintained on site shall include:

A. Total production
B. Amount of recycle asphalt used in the total production
C. Daily calculations of the percent recycle used in the total production

22. Prior to granting the Temporary Relocation Approval Letter for operation at any site, the DAQ will verify that the total emissions from the site (or other sites that are considered to be adjacent or contiguous to the site) for all equipment owned or operated by a company (including equipment permitted under a permanent AO) over any 12-month period does not exceed major source thresholds, at each site, for the Operating Permit program. These thresholds are 100 tons per year of criteria pollutants, 25 tons per year of any combination of HAPs and 10 tons per year of any single HAP.

23. The daily production limit specified in the Temporary Relocation Approval Letter in tons of product produced per 24-hour period (midnight to midnight) shall not be exceeded without prior approval in accordance with R307-401, UAC. Records of daily production shall be kept for all periods when the plant is in operation. The daily production shall be determined by belt scale records, scale house records, vendor receipts or by any other method as acceptable to the Executive Secretary or the Executive Secretary's representative. Records of daily production shall be made available to the Executive Secretary or the Executive Secretary's representative upon request. Hours of operation shall be determined by the person monitoring and maintaining the operations log.

24. Visible fugitive dust emissions from haul-road traffic and mobile equipment in operational areas shall not exceed 20% opacity at any point. Visible emission determinations shall use procedures similar to Method 9. The normal requirement for observations to be made at 15-second intervals over a six-minute period, however, shall not apply. Visible emissions shall be measured at the densest point of the plume but at a point not less than 1/2 vehicle length behind the vehicle and not less than 1/2 the height of the vehicle.

Test Procedures

25. Stack testing to show compliance with the emission limitations stated in Condition #20 shall be performed as specified below:

A.

Emission Point	Pollutant	Testing Status	Test Frequency
Drum exhaust passing through baghouse or scrubber	TSP (virgin and RAP)	*	#
	PM_{10} (Virgin and RAP)	**	@

B. Testing Status

* Initial compliance testing has been conducted.

** Initial compliance testing is not required unless directed otherwise by the Executive Secretary.

Initial compliance testing has been conducted. Subsequent tests shall only be performed for PM_{10}.

@ Test every three years (non-attainment area operation) or test every five years (attainment area operation) or sooner if directed by the Executive Secretary. Tests may be required if the source is suspected to be in violation with other conditions of this AO. Compliance testing shall not be required for both virgin and recycle materials during the same testing period. Testing shall be performed for the product being produced during the time of testing.

C. Notification

At least 30 days prior to conducting any emission testing required under any part of UAC, R307, the owner or operator shall notify the Executive Secretary of the date, time and place of such testing and, if determined necessary by the Executive Secretary, the owner or operator shall attend a pretest conference. A source test protocol shall be submitted to DAQ when the testing notification is submitted to the Executive Secretary. The source test protocol shall be approved by the Executive Secretary prior to performing the test(s). The source test protocol shall outline the proposed test methodologies, stack to be tested, and procedures to be used. A pretest conference shall be held, if directed by the Executive Secretary. The pretest conference shall include representation from the owner/operator, the tester, and the Executive Secretary. The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, or other methods as approved by the Executive Secretary. An Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approved access shall be provided to the test location.

D. TSP

40 CFR 60, Appendix A, Method 5

E. PM_{10}

For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. The back half condensable shall also be tested using the method specified by the Executive Secretary. All particulate captured shall be considered PM_{10}.

For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The back half condensable shall also be tested using the method specified by the Executive Secretary. The portion of the front half of the catch considered PM_{10} shall be based on information in Appendix B of the fifth addition of AP-42 or other data acceptable to the Executive Secretary.

The back half condensable shall not be used for compliance demonstration but shall be used for inventory purposes.

F. New Source Operation

For a new source/emission point, the production rate during all compliance testing shall be no less than 90% of the maximum production rate (rated capacity) of the plant. If the maximum AO allowable production rate has not been achieved at the time of the test, the following procedure shall be followed:

1) Testing shall be at no less than 90% of the production rate achieved to date.

2) If the test is passed, the new maximum allowable production rate shall be 110% of the tested achieved rate. This new maximum allowable production rate shall be less than 90% of the allowed maximum production rate. This new allowable maximum production rate shall remain in effect until successfully tested at a higher rate.

3) The owner/operator shall request a higher production rate when necessary. Testing at no less than 90% of the higher rate shall be conducted. A new maximum production rate (110% of the new rate) will then be allowed if the test is successful. This process may be repeated until the maximum AO production rate is achieved.

G. Existing Source Operation

For an existing source/emission point, the production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

Roads and Fugitive Dust

26. Nielson Construction Company shall abide by a FDCP acceptable to the Executive Secretary for control of all dust sources associated with the equipment listed at the end of this AO. Nielson Construction Company shall submit a FDCP to the Executive Secretary, attention: Compliance Section, for approval within 30 days of the date of this AO. If Nielson Construction Company has an approved FDCP in place, Nielson Construction Company shall abide by the most current FDCP approved by the Executive Secretary.

27. The source shall abide by all applicable requirements of R307-205 (statewide) and R307-309 for (PM_{10} non-attainment areas of Salt Lake, Utah, Davis Counties and Ogden City) for Fugitive Emission and Fugitive Dust sources.

28. Water sprays or chemical dust suppression sprays shall be installed at the following points to control fugitive emissions:

    A. All crushers
    B. All screens
    C. All unenclosed conveyor transfer points*

    * Enclosed is defined as having three (3) or more sides.

Fuels

29. The owner/operator shall use natural gas, liquefied petroleum gas, or #1 or #2 fuel oil as a primary fuel. The approved fuel for the asphalt plants shall be #2 fuel oil, or on specification used oil which meets the requirements stated in Condition #31 of this AO.

30. The sulfur content of any fuel oil or diesel burned shall not exceed 0.50 percent by weight. The sulfur content shall be determined by ASTM Method D-4294-89 or approved equivalent. Certification of used oil shall be either by Nielson Construction Company's own testing or test reports from the used oil fuel marketer.

31. Sources burning used oil for energy recovery shall comply with the following:

    A. The concentrations/parameters of contaminants in any used oil fuel shall not exceed the following levels:

1)	Arsenic…….5	ppm by weight
2)	Cadmium……..2	ppm by weight
3)	Chromium…….10	ppm by weight
4)	Lead…….100	ppm by weight
5)	Total halogens…….1,000	ppm by weight
6)	Sulfur……0.5	percent by weight

    B. The flash point of all used oil to be burned shall not be less than 100^{o}F.

    C. The owner/operator shall provide test certification for each load of used oil fuel received. Certification shall be either by their own testing or test reports from the used oil fuel marketer. Records of used oil fuel consumption and the test reports shall be kept for all periods when the plant is in operation. Records shall be made available to the Executive Secretary or the Executive Secretary's representative upon request. The records shall include the three-year period prior to the date of the request.

    D. Used oil that does not exceed any of the listed contaminants content may be burned. The owner/operator shall record the quantities of oil burned on a daily basis.

E. Any used oil fuel that contains more than 1000 ppm by weight of total halogens shall be considered a hazardous waste and shall not be burned in the boiler. The oil shall be tested for halogen content by ASTM Method D-808-81, EPA Method 8240 or Method 8260 before used oil fuel is transferred to the boiler tank and burned.

F. Sources utilizing used oil as a fuel shall comply with the State Division of Solid and Hazardous Waste in accordance with R315-15, UAC.

Federal Limitations and Requirements

32. In addition to the requirements of this AO, all applicable provisions of 40 CFR 60, NSPS Subpart A (General Provisions), 40 CFR 60.1 to 60.18, Subpart I, 40 CFR 60.90 to 60.93 (Standards of Performance for Hot Mix Asphalt Facilities), Subpart OOO, 40 CFR 60.670 to 60.676 (Standards of Performance for Nonmetallic Mineral Processing Plants), and Subpart IIII, 40 CFR 60.4200 to 60.4219 (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines), apply to this installation.

Records & Miscellaneous

33. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded.

34. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.

35. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site:

http://www.airquality.utah.gov/

STATE OF UTAH DIVISION OF AIR QUALITY
A.O.# **AN012226008-09**
DATE:
SIGNED:

Table 1: Equipment NOT Subject to NSPS

Equipment Description	Capacity/Production Rate	Manufacture Date	AO Number	Manufacturer	Model Number	Serial Number
Aggregate Plant Equipment						
Jaw Crusher	1200 tph	1982	DAQE-524-01	Eagle	4248	10176
Cone Crusher	300 tons per hour (tph)	1978	DAQE-524-01	El Jay	54" Standard	CR09
Screen	3-Deck	1979	DAQE-524-01	Hewett Robins	6163	S-2041072X19279
Vibratory Feeder	400 tph	1972	DAQE-524-01	Cedar Rapids	30x17	32432
Vibratory Feeder	400 tph	1973		Hewett Robins	48x16	FEG 433901
Grizzly Feeder	600 tph	1961		Cedar Rapids	48x16	30610
Recycle Bin	200 tph	2002		Nielson Construction	812x24	8122402
Generator	800 kW	1961	DAQE-524-01	Cat	398 B	66B2586
Generator	200 kW	1971	DAQE-524-01	Cat	334 D	A3663900
Generator	800 kW	1968	DAQE-524-01	Cat	398 B	79982-3
Generator	365 kW	1991	DAQE-524-01	Cat	3406	2WB14261

Generator	750 kW	1987	DAQE-524-01	Cat	349 D	600 TH3223
Generator	640 kW	1968	DAQE-524-01	Cat	398 B	AB88856CK
Miscellaneous Loaders, Dozers, Scrapers						

Non - NSPS Equipment Listing for General Approval Order

STATE OF UTAH DIVISION OF AIR QUALITY
A.O.# **AN0122260008-09**
DATE:
SIGNED:

Table 2: Equipment Subject to NSPS
40 CFR Part 60, Subpart OOO - Plants constructed, reconstructed or modified after August 31, 1983
40 CFR Part 60, Subpart I - Hot Mix Asphalt Plants constructed or modified after June 11, 1973
40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Equipment Description	Capacity/Production Rate	Manufacture Date	AO Number	Manufacturer	Model Number	Serial Number
Aggregate Plant Equipment						
Jaw Crusher	600 tons per hour (tph)	2000		Cedar Rapids	3042	50074
Jaw Crusher	600 tph	1995	DAQE-524-01	Gator	PE-3042	GTJC7560-003
Jaw Crusher	300 tph	2000	DAQE-524-01	Gator	PE-2436	GTJC6290-004
Cone Crusher	400 tph	1995	Oct. 17, 1995	El Jay	54" RC II	El Jay
Cone Crusher	300 tph	2002		Cedar Rapids	RC-54 Classic	51005
Impact Crusher	500 tph	2000		REMCO	VSM 90-374	90S0301-004
Screen	2-Deck	2001		Cedar Rapids	FSG 6162-32	50909
Screen	2-Deck	1993		Cedar Rapids	LF4142-24	32A1893
Screen	3-Deck	2000		Cedar Rapids	FSG 6203-32	49475
Screen	3-Deck	2002		Cedar Rapids	FSG 5163	51239
Screen	2-Deck	1984	DAQE-524-01	Ty Rocket	5102	50-2911

Screen	3-Deck	1983	DAQE-524-01	El Jay	FSG 5163	34J0783
Screen	3-Deck	1984	DAQE-524-01	El Jay	FSG 5163	34E0984
Screen	3-Deck	1984	DAQE-524-01	El Jay	FSG 5163	34B0484
Screen Plant		1995	DAQE-524-01	Power Screen	M60 MK II	2739541
Grizzly Feeder	400 tph	1996	DAQE-524-01	Gator	ZSW 44x16	ZSW 4911-033
Grizzly Feeder	600 tph	2000		Cedar Rapids	42x17	50068
Stacker Belt	300 tph	1991	DAQE-524-01	Const. Eq. Co.	36”x120’	Const. Eq. Co.
Stacker Belt	400 tph	1994	DAQE-524-01	Const. Eq. Co.	42”x100’	Const. Eq. Co.
Jaw Crusher*	**800 tph**	**NA**		**Cedar Rapids**	**3042**	**50074**
Impact Crusher*	**500 tph**	**NA**		**Portel**		**5260-003**
Screen*		**NA**		**Cedar Rapids**	**TSH 6162-32**	**54738**
Screen*		**NA**		**Cedar Rapids**	**6x20**	**53565**
Screen*		**NA**		**Cedar Rapids**	**5x16**	**52536**
Screen*		**NA**		**JCI**	**5163-26**	**96HD1C26**
Robo-Trac mobile screen*				**Extec**		**7-037**
Stacker Belt*	**300 tph**			**Const. Eq. Co.**	**36x120**	
Crusher*	**350 tph**	**2008**		**Cruss Boss**		**4156-544**
Crusher*	**350 tph**	**2007**		**Cruss Boss**		**4156-548**
Crusher*	**350 tph**	**2007**		**Cruss Boss**		**4142-545**
Generator*	**1250 kW**	**2006**		**Cat**	**3412**	**BLG00245**
Generator*	**1250 kW**	**2006**		**Cat**	**3512**	**024Z04490**
Generator*	**1250 kW**	**2006**		**Cat**	**3508**	**12F00546**
Asphalt Plant Equipment						
Drum Mixer	350 tph	1999	DAQE-524-01	BDM	8x46	486A

Long Nose Burner		1999	DAQE-524-01	Hauck		LN4580-110-01-03-00
Baghouse		1997	DAQE-524-01	Haven	Mark II Pulsejet	AM2S49-945
4 Bin Feeder		1997	DAQE-524-01	Cedar Rapids		CFS0015
Lime Silo	25 ton	2002		A.M.C.	25TS	1954-02-SES500-P
Dust Waste Skid		2002		A.M.C.		1956-02-WDS 60

NSPS Equipment Listing for General Approval Order
* New equipment

ACRONYMS

The following lists commonly used acronyms and their associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
ATT	Attainment Area
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by EPA to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	Carbon monoxide
COM	Continuous opacity monitor
DAQ	Division of Air Quality (typically interchangeable with UDAQ)
DAQE	This is a document tracking code for internal UDAQ use
EPA	Environmental Protection Agency
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
MACT	Maximum Achievable Control Technology
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO_x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM_{10}	Particulate matter less than 10 microns in size
$PM_{2.5}$	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO_2	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
UAC	Utah Administrative Code
UDAQ	Utah Division of Air Quality (typically interchangeable with DAQ)
VOC	Volatile organic compounds